Safety Data Sheet

According to 1907/2006/EC, article 31

Version: 5

Revision: 23.02.2021
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SECTION 1:Identification of the substance/mixture and oft the company/undertaking

1.1 Trade name:

Kontrastol

1.2 Relevant identified uses of the substance/mixture and uses advised against

Application of the substance / the preparation Care product for touchstones

Uses advised against of the substance / the preparation All spraying applications

1.3 Details of the supplier oft he safety data sheet

Manufacturer / Supplier

SK-Chemie Stefan Köhler
Vertrieb Chem.-Techn. Spezial-Produkte
Stefan Köhler
Bergweg 5
D-56340 Dachsenhausen

Phone: +49 (0) 6776 958 931
Telefax: +49 (0) 6776 958 932
E-Mail: info@skchemie.de
Webseite: http://www.skchemie.de

1.4 Emergency telephone number

Poison Info Center of the University Mainz
24 houres service. Languages: german/english

Phone: +49 (0) 6131 / 19240

1.5 Furter informations obtainable from

SK-Chemie Stefan Köhler, Contact datas see above

SECTION 2: Hazards information

2.1 Classification of the product/mixture according to Regulation (EC) No 1272/2006

Regulation (EC) No 1272/2008:
No classification/labelling according the guideline

2.2 Labelling of the product/mixture according to Regulation (EC) No 1272/2006

Hazard pictograms:

Signal word: -
Hazard statements: -
Precautinonary statements: -

2.3 Other hazards

Results of PBT- and vPvB assesment
PBT: not applicable.
vPvB: not applicable.

*SECTION 3: Composition/information on ingredients

3.1 Chemical characterization
Mixture

3.2 Ingredients

Stoff:	EINECS:	CAS:	INDEX-No.:	REACH-No.:	Concentration:	Classification: EC 1272/2008(CLP):
White mineraloil	232-455-8	8042-47-5			> 50 Gew.-%	-

(Full text of H-phrases: see section 16.)

3.3 Additional informations
Contains no SVHC substances

*SECTION 4: First aid measures

4.1 Description of first aid measures
General informations No special measures required.
In case of unconscious, place and transport in stable side position.

After inhalation Fresh air or oxygen; seek medical advice. In case of respiratory arrest or breathing irregularity artificial respiration or oxygen respiration and seek medical advice immediately. In case of unconsciousness place and transport in stable side position.

After skin contact Remove any clothing soiled by the product immediately.
Wash off with water and soap.

After eye contact After contact with the eyes, immediately rinse the open eyes 10 to 15 minutes under running water. Seek medical advice (oculist) if necessary.

After swallowing Do not induce vomiting. Seek medical advice. In case of unconscious, place and transport in stable side position. Seek medical advice immediately.

Self protection For accidents after swallowing it can be dangerous for First responders to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acut and delayed
Symptoms: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 General informations
Extinguishing measures in accordance to the surrounding conditions. To protect persons and to cool endangered containers using water spray. Remove undamaged containers from the danger zone if possible without risk.

5.2 Extinguishing media:
suitable: Water-spray, Carbon dioxid (CO2), foam, extinguishing powder
Unsuitable: Water with full jet

5.3 Special hazards arising from the substance or mixture
In case of fire, the following can be released: Carbon oxides (CO, CO_2).

5.4 Advice for firefighters

Protective equipement
Wear full protective suit with self-contained breathing apparatus.

Additional informations
No further relevant information available.

*SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipement and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Remove persons to safety. Keep away unprotected persons. Contaminated surfaces become slippery and therefore do not run through leaked material.

6.2 Enviroment precautions

Inform respective authorities in case of seepage into water coures or sewage system. Do not allow to enter sewers/surface or ground water/ground or subsoil. Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, fused silica, universal-binder). Contaminated material has to be disposed as waste (see section 13). Clean contaminated surface thoroughly.

6.4 Referenco to other sections

See section 7 for information on safe handling
See section 8 for inormation on personal protection equipement
See section 13 for disposal infomation

*SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Keep containers/bottles tightly closed. The usual good standards of industrial hygiene should be maintained. Avoid contact with eyes and skin.

Technical measures
Avoid misting.

Information about fire- and expolsion protections
Usual measures for preventive fire protection.

Additional information
None

7.2 Conditions for safe storage including any incompatibilities

Technical measures and conditions
Ensure good ventilation.

Packaging materials
Keep containers/bottles tightly closed. Use original containers/bottles only.

Requirements to be met by storerooms and receptacels
Observe official regulations on storage and handling of water harzardous substances.

Information about storage in one common storage facility
Keep away from strong oxidising materils.

Further information about storage conditions
No further relevant information available.

Storage class: 10 (Flammable liquids unless the Storage Class 3) (German guideline)

7.3 Specific end use(s)
See directions for use.

*SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace
Occupational exposure limits:

Substance:	CAS:	Qrigin:	Occupational exposure limit value	Peak:	Remarks:
-	-	-	-	-	-

Common exposure limits:

Substance:	CAS:	Qrigin:	Occupational exposure limit value	Peak:	Remarks:
-	-	-	-	-	-

Additional information: The lists valid during the making were used as basis.

DNELs
8042-47-5 white mineral oil
Inhalativ-Aerosol DNEL (worker) 160 mg/m^3/8h (Long-term; systemic-effects)
Dermal DNEL (worker) 220 mg/kg/8h (long term; systemic-effects)
Inhalativ-Aerosol DNEL (population) 35 mg/m^3/8h (Long-term; systemic-effects)
Dermal DNEL (population) 92 mg/kg/8h (long term; systemic-effects)
Oral DNEL (population) 40 mg/kg/24h (long term; systemic-effects)

8.2 Exposure controls
General protective and hygiene measures
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and the end of work. Avoid contact with eyes and skin.

Personal protective equipement
Minimum standards for protective measures when handling working substances are listed in TRGS 500.

Breathing equipment
During normal handling Kontrastol no oil mist/aerosol formation is given. Thus, no respiratory protection is required. In case of accidents or accidental oil mist/aerosol formation respiratory protection is required.

Protection of hands
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Gloves for the permanent contact are suitable of the following materials:
Recommended thickness: ≥ 0.7 mm Fluorocarbon rubber (Viton), ≥ 0.5 mm Polyvinylchloride (PVC)
Value for the permeation: Level ≥ 480 min
Not suitable: Natural rubber (latex)

Eye protection
Safety glasses recommended during decanting/refilling according DIN EN 166.

Body protection
Standard proctective clothing at handling bigger quantities (oil resistent).

Environmental exposure controls
see section 7. There are no further action is required.

Consumer exposure control
see section 7. There are no further action is required.

8.3 Exposure scenario
none

*SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form:	liquid
Color:	colourless, clear
Odour:	none

Safety relevant basic data

	Parameter	Value	Unit	Remark
Density:	at °C: 20	approx. 0,85	g/cm³	
pH:				not applicable
Melting point / -range:				No data available
Initial boiling point/boiling range				No data available
Flashpoint		> 100	°C	
Ignition properties:				not applicable
Upper ignition limits				not applicable
Upper igniton limits				not applicable
Explosiv properties				not explosive
Upper explosive limits				No data available
Upper explosive limits				No data available
Auto-ignition temperature				not applicable
Decomposition temperature				No data available
Oxidising properties				No data available
Vapour pressure				No data available
Vapour density				No data available
Evaporation rate				No data available
Solubility in water				not miscible
Partition coefficient n-octanol/water				No data available
Viscosity:	40°C	> 20,5	cst	Kinematic viscosity
Value of solvents:				
- organic solvents				0,0 %

9.2 Additional information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is inert

10.2 Chemcal Stability
Product is stable

10.3 Possibility of hazardous reactions
No further relevant information available.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
In case of fire, the following can be released: Carbon oxides (CO, CO_2).

10.7 Additional information
No further relevant information available.

*SECTION 11: Toxicological information

11.1 Information on toxicological effects
No data available for the mixture.

Acute Toxicity

Substance:	CAS.:	Toxilogical ngaben
White mineraloil	8012-95-1	Oral LD50 > 5000mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) Inhalativ LC50/4h >5000 mg/m3 (Aerosol) (rat)

11.2 Primary irritant effect
On the skin
No irritation on skin and mucous membrans.
On the eye
No irritation on eyes.
After inhalation
No irritation under normal conditions.

11.3 Sensitisation
No sensitizing effects known.

11.4 Toxicity at repeated exposure
No further relevant information available.

11.5 CMR-effects
Carcinogenity
No effects known.
Mutagenicity
No effects known.
Reproductiv toxicity
No effects known.

11.6 General remarks
No further relevant information available.

Practical experience
There is no information available.

Other observations
There is no information available.

Additional information
No further relevant information available.

*SECTION 12: Ecological information

12.1 Information on toxicological effects
No data available for the mixture.

Acute aquatic toxicity

Substance:	CAS:	Ecotoxicity
White mineral oil	8042-47-5	EL50 (48h) > 100 mg (Pseudokirchnerella subcapitata) (OECD 201) EL50 (48h) > 100 mg/l (Daphnia magna) (OECD 0202) LL50 (96h) > 100 mg/l (Oncorhynchus mykiss) (OECD 0203)

Chronic aquatic toxicity

Substance:	CAS:	Ecotoxicity
White mineral oil	8042-47-5	NOEL (21d) 10 mg/l (Daphnia magna) (OECD 0211)

12.2 Persistence and degradability
No relevant information available.

12.3 Bioaccumulative potential
No indication of bioaccumulation potential.

12.4 Mobility in soil
No relevant information available.

12.5 Results of PBT- and vPvB-assessment
Not applicable

12.6 Other advers effects
No relevant information available.

12.7 Additional ecological information
Do not allow product to enter ground water, water bodies or sewage system, ground or subsoil.

12.8 Additional information
Water hazard class 1 (German Regulation)(Self-assessment): slightly hazardous to water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommondation
Chemicals must be disposed of in compliance with the respectiv national regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Waste disposal key number
Since 01.01.1999 the waste code numbers have not only been product-related but are also essentially application-related.
13 00 00 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 08 oil wastes not otherwise specified

Uncleaned packagings
Disposal must be made according to official regulations.

SECTION 14: Transport informations

14.1 UN-Number
ADR, IMDG, IATA no hazard goods according ot he regulations

14.2 Proper shipping name
ADR: -
IMDG: -
IATA: -

14.3 Transport hazard class(es)
ADR:
Class: -
Label: -
IMDG, IATA:
Class: -
Label: -

14.4 Packaging group
ADR, IMDG, IATA: -

14.5 Enviromental hazards
Product contains enviromental hazards: -
Marine pollutant: no
Special marking (ADR): -

14.6 Special precautions for user
Warning: -
Danger code (Kemler): -
EMS-Number: -
Segregation groups: -

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code
Not applicable

14.8 Additional information
ADR:
Limited quantites (LQ): -
Exepted quantities (EQ): -
IMDG:
Limited quantities (LQ): -
Expected quantites (EQ): -

SECTION 15: Regulatory information

15.1 Safety, health and enviromental regulations/legislation specific ot he substance or mixture

EU-Regulations

1999/13/EG
No

2037/2000/EG
No

850/2004/EG
No

689/2008/EG
No

648/2004/EG
No

1907/2006/EG
No

National regulations
Must be observed

Storage class according VCI (German guideline)
Class 10 (Flammable liquids unless the Storage Class 3)

Substances of very high concern (SVHC) according REACH, Article 57
no

15.2 Information about limitation of use
no

15.3 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out.

*SECTION 16: Other informations

16.1 Hazard statements under section 3
Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3.
These phrases refer to the constituents. The labelling for this product is stated in section 2.

16.2 Training advice
Users of breathing apparatus must be instructed/trained.

16.3 Recommended restriction(s) of application
See section 1.

16.4 Additional information
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.5 Replacement documentaion

Replaces issue dated 15.7.2015 (Version 4)

16.6 Origin of datas

Information taken from reference works and literature as well as the manufacturer's instructions.

16.7 Departement issuing MSDS

See section 1.5: SK-Chemie Stefan Köhler, Contact: Stefan Köhler

16.8 Abbreviations and acronymes

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage
of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINECS: European List of Notified Chemical Substances
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
VCI: Verband der chemischen Industrie (German Chemical Industry Association, Germany)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted no-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
LL50 : = LC50
SVHC: Substance of Very High Concern
PBT: **P**ersistent, **B**ioakkumulierend, **T**oxisch
vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous issue altered.